

[54] IMAGE EDITING APPARATUS

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[56] **References Cited**

U.S. PATENT DOCUMENTS

4,034,400	7/1977	Owen	358/256
4,196,450	4/1980	Miller	358/280
4,231,069	10/1980	Wellendorf	358/256
4,240,119	12/1980	Norton	358/280
4,303,948	12/1981	Arai	358/287
4,327,380	4/1982	Yamada	358/287
4,435,723	3/1984	Seimiva	358/300

FOREIGN PATENT DOCUMENTS

2513571 4/1983 France .

OTHER PUBLICATIONS

Japanese Patent Disclosure (Kokai) No. 55-28121; N. Kasahara et al.; Feb. 28, 1980.

Japanese Patent Disclosure (Kokai) No. 56-67446; K. Iida; Jun. 6, 1981.

IEEE Computer Society Workshop on Computer Architecture for Pattern Analysis and Image Database Management, Hot Spring, Va., U.S., Nov. 11-13, 1981, pp. 301-308.

IEEE Transactions on Communications, vol. COM-29,
No. 12, Dec. 1981, pp. 1891-1897, New York.

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[57] **ABSTRACT**

In an image editing apparatus adapted to cut a plurality of regions of any size from a plurality of documents and prepare a new document by sticking the cut regions on a sheet. The cut regions are designated by a light pen of an instruction input section for each document displayed on a CRT display. The coordinate information of the cut regions is stored in a RAM in a sticking region computer and the image information is stored in a first buffer (RAM). A ROM in the sticking region computer stores information relating to a plurality of basic patterns representing the manner of sticking a plurality of cut regions. The coordinates of a plurality of sticking regions are calculated for each basic pattern on the basis of the coordinate data of the cut regions. An image processor causes the image data of the cut regions which are stored in the first buffer to be transferred to memory area of a second buffer (RAM) which is designated by the coordinates of the corresponding sticking regions. The editing of images is carried out for each basic pattern. The "edited" image data stored in the second buffer is displayed on a second CRT display.

13 Claims, 21 Drawing Figures

